

The book was found

Atomic And Plasma-Material Interaction Processes In Controlled Thermonuclear Fusion



Synopsis

Atomic and plasma-material interaction processes play an important role in thermonuclear fusion plasmas and the knowledge of these processes has a significant impact on fusion energy research and development. The present volume provides a comprehensive survey of atomic and plasma-material interaction aspects of controlled thermonuclear fusion. The review articles included in this volume describe the role of atomic and plasma-material interaction processes in the currently most active fusion research areas and emphasize the need for accurate quantitative information on these processes for resolving many outstanding issues in fusion research and reactor design development such as plasma energy balance, particle transport and confinement, impurity control, thermal power and helium exhaust, plasma heating and fuelling, edge plasma physics, development of fusion reactor plasma facing components and plasma diagnostics and modelling.

Book Information

Hardcover: 494 pages

Publisher: Elsevier Science; First Edition edition (October 12, 1993)

Language: English

ISBN-10: 0444816305

ISBN-13: 978-0444816306

Product Dimensions: 1 x 6.2 x 9 inches

Shipping Weight: 2 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #17,956,240 in Books (See Top 100 in Books) #95 in Books > Textbooks > Engineering > Nuclear Engineering #3290 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear #3756 in Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics

[Download to continue reading...](#)

Atomic and Plasma-Material Interaction Processes in Controlled Thermonuclear Fusion Introduction to plasma physics and controlled fusion. Volume 1, Plasma physics Laser Interaction and Related Plasma Phenomena (Laser Interaction & Related Plasma Phenomena) Physical Processes of the Interaction of Fusion Plasmas with Solids (Plasma-Materials Interactions) Fundamental Aspects of Plasma Chemical Physics: Transport (Springer Series on Atomic, Optical, and Plasma Physics) Engineering Aspects of Thermonuclear Fusion Reactors (Ispra Courses on Nuclear Engineering and Technology Series) Industrial Plasma Engineering: Applications to Nonthermal Plasma

Processing, Vol. 2 Tokamak Plasma: A Complex Physical System, (Plasma Physics) Laser Interaction and Related Plasma Phenomena Vol 10 Controlled Nuclear Fusion: Fundamentals of Its Utilization for Energy Supply Quantum Entanglement in Electron Optics: Generation, Characterization, and Applications (Springer Series on Atomic, Optical, and Plasma Physics) Health Professional and Patient Interaction, 8e (Health Professional & Patient Interaction (Purtilo)) Interaction Design: Beyond Human-Computer Interaction Chaos in Atomic Physics (Cambridge Monographs on Atomic, Molecular and Chemical Physics) The Atomic Sea: Part Seven: The Atomic Jungle Handbook on Material and Energy Balance Calculations in Material Processing, Includes CD-ROM Fate/Complete Material Volume 2: Character Material Welder's Handbook, Revised HP1513: A Guide to Plasma Cutting, Oxyacetylene, ARC, MIG and TIG Welding To Mars and Beyond, Fast!: How Plasma Propulsion Will Revolutionize Space Exploration (Springer Praxis Books) Platelet-Rich Plasma: Regenerative Medicine: Sports Medicine, Orthopedic, and Recovery of Musculoskeletal Injuries (Lecture Notes in Bioengineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)